

Phase 3 of West Branch Project

Grand Calumet River Restoration
Fund Trustee Council

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Tasks Conducted to Date

- Identification of Data Gaps
- Roxana Marsh Characterization
- West Branch Characterization

Baseline Human Health Risk Assessment (HHRA)

- Identify criteria to assess human health risks and compile data for HHRA
- Analyze exposures to humans to constituents of concern (COC) under existing conditions
- Analyze effects of exposures to COC on human health

Baseline Human Health Risk Assessment (HHRA)

- Characterize Risks to Human Health Associated with Exposures to COC
- Evaluate Uncertainty Associated with the Exposure Assessment, Effects Assessment and Risk Characterization
- Cost Estimated at \$50-65k

Identify/Describe Restoration Alternatives

- No Action
- Dredging
- Partial Dredging and Capping
- In-situ Remediation
- Sediment Treatment
- Disposal

Evaluation of Restoration Alternatives

- Development of Evaluation Criteria
- Feedback on Evaluation Criteria
- Screening of alternatives based on technical feasibility, implementability, environmental acceptability, and cost
- Evaluation of Screened Alternatives Against the Selected Criteria

Development of Risk-Based Preliminary Remediation Goals

- Prepare brief problem formulation for aquatic receptors
- Develop remedial action objectives for aquatic receptors
- Develop and evaluate risk-based PRGs
- Identify areas where sediments pose a low, moderate, or high risk to aquatic receptors

Development of Risk-Based Preliminary Remediation Goals

- Develop conclusions and recommendations regarding the PRGs
- Evaluate risks to HH during remediation
- Evaluate risks to HH following completion of remediation

Development of Reports

- Draft Report
- Public Input
- Final report/Preliminary design of selected alternatives

Summary

- Phase 3 to Proceed in Four Major Steps
- Cost is estimated at \$500-650k
- We want and need your input
- Questions?